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Substitute for form 1449A/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/773,916
Filing Date	February 6, 2004		
First Named Inventor	Gjalt W. Hulsmann		
Group Art Unit	1652		
Examiner Name	Charles L. Patterson, Jr.		
Sheet	1	of	14
		Attorney Docket Number	MBX 017 CON (2)

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	US Patent Document	Name of Patentee or Applicant of Cited Document	Date of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number <sup>2</sup>	Kind Code <sup>3</sup> (if known)		
		4,430,430	Momose, et al.	02-07-1989	
		4,878,331	Dot	10-24-1989	
		5,245,023	Peoples, et al.	09-14-1993	
		5,250,430	Peoples, et al.	10-06-1993	
		5,286,842	Kimura	02-15-1994	
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		5,378,618	Tujimoto, et al.	01-03-1995	
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		5,502,273	Bright, et al.	03-28-1996	
		5,516,883	Hori, et al.	05-14-1996	
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		5,583,239	Herbs, et al.	10-08-1996	
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		5,117,658	Dennis et al.	09-12-2000	

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Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Office <sup>2</sup>	Number <sup>2</sup>	Kind Code <sup>3</sup> (if known)	T <sup>4</sup>
		CA	2,006,508	Xerox	03-26-1998
		WO	91/00917	Mass. Inst. Tech.	01-24-1991
		WO	92/19747	Imperial Chem. Ind. PLC	11-12-1992
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		WO	93/02184	Imperial Chem. Ind. PLC	07-15-1992
		WO	93/08225	Ctr. Innovative Technology	04-01-1993
		WO	94/11519	Zeneca Limited	05-26-1994
		WO	94/12014	Agracetus, Inc.	06-03-1994
		WO	95/20614	Procter & Gamble	11-15-1994
		WO	95/20615	Procter & Gamble	08-03-1995
		WO	96/20521	FACO	07-11-1996

Examinee Signature	<i>C. Patterson</i>	Date Considered	<i>9/23/05</i>
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Substitute for form 1449/AVTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT  (use as many sheets as necessary)		Application Number	10/773,916
Sheet	2	of	14
Filing Date	February 6, 2004		
First Named Inventor	Galt W. Hulsman		
Group Art Unit	1652		
Examiner Name	Charles L. Patterson, Jr.		
	Attorney Docket Number	MBX 017 CON (2)	

OTHER ART - NON PATENT LITERATURE DOCUMENTS		
Examiner's Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
OK 218/04		ABE, et al. "Biosynthesis from gluconate of a random copolyester consisting of 3-hydroxybutyrate and medium-chain-length 3-hydroxyalcanoates by <i>Pseudomonas</i> sp. 61-3," <i>Int. J. Biol. Macromol.</i> 16:115-119 (1994).
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		AMARASINGHAM & DAVIS, "Regulation of alpha-ketoglutarate dehydrogenase formation in <i>Escherichia coli</i> ," <i>J. Biol. Chem.</i> 240: 3664-3668 (1966).
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		BELL AND MALMBERG, "Analysis of a cDNA encoding arginine decarboxylase from oat reveals similarity to the <i>Escherichia coli</i> arginine decarboxylase and evidence of protein processing," <i>Mol. Gen. Genet.</i> 224:431 (1990).

Examiner's Signature	<i>Galt W. Hulsman</i>	Date Considered	9/23/04
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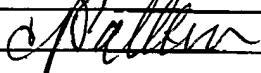
PAGE 7/19 \* RCVD AT 8/24/2005 4:15:46 PM [Eastern Daylight Time] \* SVR:USPTO-EFXRF-6/26 \* DNIS:2738300 \* CSID: \* DURATION (mm:ss):00:32

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Sheet 3 of 14 Attorney Docket Number MBX 017 CON (2)

OTHER ART - NON PATENT LITERATURE DOCUMENTS			
Examiner's Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issuue number(s), publisher, city and/or country where published	T <sup>2</sup>
2/8/05		BENACHENMOU-LAHFA, et al., "PCR-mediated cloning and sequencing of the gene encoding glutamate dehydrogenase from the archaeon <i>Sulfolobus shibatae</i> : Identification of putative amino-acid signatures for extremophilic adaptation," <i>Gene</i> 140: 17-24 (1994).	
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2/8/05		BRANDL, et al., "Ability of the phototrophic bacterium <i>Rhodospirillum rubrum</i> to produce various poly (beta-hydroxyalkanoates): potential sources for biodegradable polyesters," <i>Int. J. Biol. Macromol.</i> 11:49-55 (1989).	
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2/8/05		CHANG, et al., "Nucleotide Sequence of cDNA (Accession No. U83832) Encoding Arginine Decarboxylase from Carnation Flowers," <i>Plant Physiol.</i> 112:869 (1996).	
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Examiner's Signature  Date Considered 9/27/05

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Sheet

4

of

14

## Complete If Known

Application Number

10773,916

Filing Date

February 6, 2004

First Named Inventor

Gjalt W. Huisman

Group Art Unit

1652

Examiner Name

Charles L. Patterson, Jr.

Attorney Docket Number

MBX 017 CON (2)

## OTHER ART - NON PATENT LITERATURE DOCUMENTS

Examiner's Initials*	File No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>1</sup>
		CHU, et al., "Enzymatically active truncated cat brain glutamate decarboxylase: expression, purification, and absorption spectrum," <i>Arch. Biochem. Biophys.</i> 313:287-295 (1994).	
		COCK, et al., "A nuclear gene with many introns encoding ammonium-inducible chloroplastic NADP-specific glutamate dehydrogenase(s) in <i>Chlorella sorokiniana</i> ," <i>Plant Mol. Biol.</i> 17:1023-144 (1991).	
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		COLE, et al., "Deciphering the biology of <i>Mycobacterium tuberculosis</i> from the complete genome sequence," <i>Nature</i> 393:537 (1998).	
		DECKERT, et al., "The complete genome of the hyperthermophilic bacterium <i>Aquifex aeolicus</i> ," <i>Nature</i> 392:363 (1998).	
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		DOI, "Microbial Synthesis, Physical Properties, and Biodegradability of Polyhydroxyalkanoates," <i>Macromol. Symp.</i> 88:585-599 (1995).	
		DOI, et al., "Biosynthesis and characterization of poly(3-hydroxybutyrate-co-4-hydroxybutyrate) in <i>Alcaligenes eutrophus</i> ," <i>Int. J. Biol. Macromol.</i> 12: 108 (1990).	

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Date Considered

08/24/05

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Sheet

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of

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Complete If Known

Application Number	10/773,816
Filing Date	February 6, 2004
First Named Inventor	Gjalt W. Huisman
Group Art Unit	1662
Examiner Name	Charles L. Patterson, Jr.
Attorney Docket Number	MBX 017 CON (2)

## OTHER ART - NON PATENT LITERATURE DOCUMENTS

Examiner's Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item, book, magazine, journal, serial, symposium, catalog, etc., date, page(s), volume-issue number(s), publisher, city and/or country where published	7 <sup>2</sup>
		DOI, et al., "Nuclear Magnetic Resonance Studies on Unusual Bacterial Copolymers of 3-Hydroxybutyrate and 4-Hydroxybutyrate," <i>Macromolecules</i> 21:2722-2727 (1988).	
		DUNCAN, et al., "Purification and properties of NADP-dependent glutamate dehydrogenase from <i>Ruminococcus flavefaciens</i> FD-1," <i>Appl. Environ. Microbiol.</i> 58:4032-4037 (1992).	
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		GALLOWAY, et al., "Phylogenetic utility of the nuclear gene arginine decarboxylase: an example from Brassicaceae," <i>Mol. Biol. Evol.</i> 16(10):1312-20 (1999).	
		GASSER & FRALEY, "Genetically Engineering Plants for Crop Improvement," <i>Science</i> 244:1293-1299 (1989).	
		GERNGROSS, et al., "Enzyme-catalyzed synthesis of poly[(R)-3-hydroxybutyrate]: formation of macroscopic granules in vitro," <i>Proc. Natl. Acad. Sci. USA</i> 92:6279 (1995).	
		GERNGROSS, et al., "Overexpression and purification of the soluble polyhydroxyalcanoate synthase from <i>Alcaligenes eutrophus</i> : evidence for a required posttranslational modification for catalytic activity," <i>Biochemistry</i> 33: 8311 (1994).	

Examiner's Signature	<i>C. Patterson</i>	Data Considered	7/20/04

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		GONZALEZ, et al., "Cloning of a yeast gene coding for the glutamate synthase small subunit (GUS2) by complementation of <i>Saccharomyces cerevisiae</i> and <i>Escherichia coli</i> glutamate auxotrophs," <i>Mol. Microbiol.</i> 6:301-308 (1992). <i>✓</i>
		GREGERSON, et al., "Molecular characterization of NADH-dependent glutamate synthase from alfalfa nodules," <i>Plant Cell</i> 5:215 (1993).
		HEIN, et al., "Biosynthesis of poly(4-hydroxybutyric acid) by recombinant strains of <i>Escherichia coli</i> ," <i>FEMS Microbiol. Lett.</i> 153:411-418 (1997).
		HERRERO, et al., "Transposon vectors containing non-antibiotic resistance selection markers for cloning and stable chromosomal insertion of foreign genes in gram-negative bacteria," <i>J. Bacteriol.</i> 172:6557-6557 (1990).
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		JESUDASON & MARCHESSAULT, "Synthetic Poly(R,S)-3-hydroxyalkanoates) with Butyl and Hexyl Side Chains," <i>Macromolecules</i> 27:2595-2602 (1994).
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		JOHNSTON, et al., "Complete nucleotide sequence of <i>Saccharomyces cerevisiae</i> chromosome VIII," <i>Science</i> 265:2077 (1994).
		KANEKO, et al., "Sequence analysis of the genome of the unicellular cyanobacterium <i>Synechocystis</i> sp. strain PCC6803. II. Sequence determination of the entire genome and assignment of potential protein-coding regions," <i>DNA Res.</i> 3:109 (1996).
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Examiner's Signature	<i>Gjalt W. Huisman</i>	Date Considered	9/23/05
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PAGE 11/19 \*RCVD AT 8/24/2005 4:15:16 PM (Eastern Daylight Time)\* SVR:USPTO-EFXRF-6/26 \*DNIS:2738300 \*CSID: \*DURATION (mm:ss):06:32

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Application Number	10/773,918
Filing Date	February 6, 2004
First Named Inventor	Gjalt W. Huisman
Group Art Unit	1662
Examiner Name	Charles L. Patterson, Jr.
Attorney Docket Number	MBX 017 CON (2)

## OTHER ART - NON PATENT LITERATURE DOCUMENTS

Examiner's Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
		KATO, et al., "Production of a novel copolyester of 3-hydroxybutyric acid with a medium-chain-length 3-hydroxyalcanoic acids by <i>Pseudomonas</i> sp. 61-3 from sugars," <i>Appl. Microbiol. Biotechnol.</i> 45:363-70 (1998).
		KEUNTJE, et al., "Expression of the <i>putA</i> gene encoding proline dehydrogenase from <i>Rhodobacter capsulatus</i> is independent of <i>NtrC</i> regulation but requires an <i>Lrp</i> -like activator protein," <i>J. Bacteriol.</i> 177:6432 (1995).
		KIMURA, et al., "Production of Poly(3-hydroxybutyrate-co-4-hydroxybutyrate) by <i>Pseudomonas Acidovorans</i> ," <i>Biotechnol. Lett.</i> 14:445 (1992).
		KINNAIRD, et al., "The complete nucleotide sequence of the <i>Neurospora crassa</i> am (NADP-specific glutamate dehydrogenase) gene," <i>Gene</i> 26:253-280 (1983).
		KIRBY, et al., "Purification and properties of rabbit brain and liver 4-aminobutyrate aminotransferases isolated by monoclonal-antibody immunoadsorbent chromatography," <i>Biochem. J.</i> 230:481-488 (1985).
		KLENK, et al., "The complete genome sequence of the hyperthermophilic, sulphate-reducing archaeon <i>Archaeoglobus fulgidus</i> ," <i>Nature</i> 390:364 (1997).
		KUNIOKA, et al., "New bacterial copolymers produced in <i>Alcaligenes eutrophus</i> from organic acids," <i>Polym. Commun.</i> 29:174 (1988).
		KWON, et al., "Brain 4-aminobutyrate aminotransferase. Isolation and sequence of a cDNA encoding the enzyme," <i>J. Biol. Chem.</i> 267:7215-7216 (1992).
		LAGEVEEN, et al., "Formation of Polyesters by <i>Pseudomonas oleovorans</i> : Effect of Substrates on Formation and Composition of Poly-(R)-3-Hydroxyalcanoates and Poly-(R)-3-Hydroxyalenoates," <i>Appl. Environ. Microbiol.</i> 54:2924-2932 (1988).
		LEE, et al., "Biosynthesis of copolymers consisting of 3-hydroxybutyric acid and medium-chain-length 3-hydroxyalcanoic acids from 1,3-butanediol or from 3-hydroxybutyrate by <i>Pseudomonas</i> sp. A33," <i>Appl. Microbiol. Biotechnol.</i> 42: 801-809 (1995).

Examiner's Signature

*C. Patterson*

Date Considered

07/27/05

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Sheet 8 of 14

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Application Number	10773,616
Filing Date	February 6, 2004
First Named Inventor	Gjalt W. Huisman
Group Art Unit	1692
Examiner Name	Charles L. Patterson, Jr.
Attorney Docket Number	MBX 017 CON (2)

## OTHER ART - NON PATENT LITERATURE DOCUMENTS

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Examiner's Initials* 10/20/04 (444)	Cite No. LEE, et al., "Enhanced biosynthesis of P(3HB-3HV) and P(3HB-4HB) by amplification of the cloned PHB biosynthesis genes in <i>Alcaligenes eutrophus</i> ," <i>Biotechnol. Lett.</i> 19: 771-774 (1997).
	LEMOIGNE & ROUKHELMAN, "Fermentation b-Hydroxybutyrique," <i>Annales des Fermentations</i> 5: 627-636 (1925).
	LIN, et al., "Regulatory region with putA gene of proline dehydrogenase that links to the luxR and the lux operons in <i>Photobacterium leydghamii</i> ," <i>Biochem. Biophys. Res. Commun.</i> 219:868 (1996).
	MANDAL & GHOSH, "Isolation of a glutamate synthase (GOGAT)-negative, pleiotropically N utilization-defective mutant of <i>Azospirillum brasiliense</i> : cloning and partial characterization of GOGAT structural gene," <i>J. Bacteriol.</i> 175:8024 (1993).
	MAT-JAN, et al., "Anaerobic growth defects resulting from gene lesions affecting succinyl-CoA synthetase in <i>Escherichia coli</i> K12," <i>Mol. Gen. Genet.</i> 216:278-280 (1989).
	MCBRIDE, et al., "Controlled expression of plastid transgenes in plants based on a nuclear DNA-encoded and plastid-targeted T7 RNA polymerase," <i>Proc. Natl. Acad. Sci. USA</i> 91:7301-7305 (1994).
	MCFALL & NEWMAN, "Amino Acids as Carbon Sources," in <i>Escherichia coli and Salmonella</i> , (Neidhardt, ed.), pp. 368-379, ASM Press: Washington, D.C., 1998.
	MCLAGGAN, et al., "Interdependence of K <sup>+</sup> and glutamate accumulation during osmotic adaptation of <i>Escherichia coli</i> ," <i>J. Biol. Chem.</i> 269:1911 (1994).
	MEASURES, "Role of amino acids in osmoregulation of non-halophilic bacteria," <i>Nature</i> 257:398 (1975).
	METZER AND HALPERN, "In vivo cloning and characterization of the gabCTDP gene cluster of <i>Escherichia coli</i> K-12," <i>J. Bacteriol.</i> 172: 3250-3256 (1990).

Examiner's Signature <i>C. Patterson</i>	Date Considered 10/20/04
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Application Number	10/773,916
Filing Date	February 6, 2004
First Named Inventor	Gjalt W. Huisman
Group Art Unit	1652
Examiner Name	Charles L. Patterson, Jr.
Attorney Docket Number	MBX 017 CON (2)

## OTHER ART - NON PATENT LITERATURE DOCUMENTS

Examiner's Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
		MILLER, et al., "Cloning and characterization of gdhA, the structural gene for glutamate dehydrogenase of <i>Salmonella typhimurium</i> ," <i>J. Bacteriol.</i> 157:171-178 (1984).	
		MIYAMOTO, et al., "Possible physiological roles of aspartase, NAD- and NADP-requiring glutamate dehydrogenases of <i>Pseudomonas fluorescens</i> ," <i>J. Biochem.</i> 112:52-56 (1992).	
		MOORE & BOYLE, "Nucleotide sequence and analysis of the spaA gene encoding biosynthetic arginine decarboxylase in <i>Escherichia coli</i> ," <i>J. Bacteriol.</i> 172:4831 (1990).	
		MORRISSEY, et al., "Partial cloning and characterization of an arginine decarboxylase in the kidney," <i>Kidney Int.</i> 47:1458 (1995).	
		MOUNTAIN, et al., "The <i>Klebsiella aerogenes</i> glutamate dehydrogenase (gdhA)-gene: cloning, high-level expression and hybrid enzyme formation in <i>Escherichia coli</i> ," <i>Mol. Gen. Genet.</i> 199:141-145 (1985).	
		NAGASU, et al., "Nucleotide Sequence of the GDH gene coding for the NADP-specific glutamate dehydrogenase of <i>Saccharomyces cerevisiae</i> ," <i>Gene</i> 37:247-253 (1984).	
		NAKAMURA, et al., "Cloning and sequencing of novel genes from <i>Vibrio alginolyticus</i> that support the growth of K <sup>+</sup> uptake-deficient mutant of <i>Escherichia coli</i> ," <i>Biochim. Biophys. Acta</i> 1277:201 (1996).	
		NAM, et al., "Differential expression of ADC mRNA during development and upon acid stress in soybean (Glycine max) hypocotyls," <i>Plant Cell Physiol.</i> 38:1155 (1997).	
		OLIVER, et al., "Determination of the nucleotide sequence for the glutamate synthase structural genes of <i>Escherichia coli</i> K-12," <i>Gene</i> 60:1 (1987).	
		OWEN & PEN, eds., <i>Transgenic Plants: A Production System for Industrial and Pharmaceutical Proteins</i> John Wiley & Sons Ltd: England, 1998.	

Examiner's Signature	Date Considered
<i>C. Patterson</i>	9/23/05

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Complete If Known

Application Number 10/773,816

Filing Date February 6, 2004

First Named Inventor Gjalt W. Huisman

Group Art Unit 1662

Examiner Name Charles L. Patterson, Jr.

Attorney Docket Number MBX 017 CON (2)

## OTHER ART - NON PATENT LITERATURE DOCUMENTS

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		PARK, et al., "Isolation and characterization of recombinant mitochondrial 4-aminobutyrate aminotransferase," <i>J. Biol. Chem.</i> 268:7636-7639 (1993).
		PELANDA, et al., "Glutamate synthase genes of the diazotroph <i>Azospirillum brasilense</i> . Cloning, sequencing, and analysis of functional domains," <i>J. Biol. Chem.</i> 268:3089 (1993).
		PÉREZ-AMADOR, et al., "Expression of arginine decarboxylase is induced during early fruit development and in young tissues of <i>Plum sativum</i> (L)," <i>Plant Mol. Biol.</i> 28:997 (1995).
		PERLAK, et al., "Modification of the coding sequence enhances plant expression of insect control protein genes," <i>Proc. Natl. Acad. Sci. USA</i> 88: 3324 (1991).
		PETIT, et al., "PerA is an essential DNA helicase of <i>Bacillus subtilis</i> fulfilling functions both in repair and rolling-circle replication," <i>Mol. Microbiol.</i> 29:261 (1998).
		POIRIER et al., "Polyhydroxybutyrate, a Biodegradable Thermoplastic Produced in Transgenic Plants," <i>Science</i> 256:520-523 (1992).
		PRESECAN, et al., "The <i>Bacillus subtilis</i> genome from <i>garBC</i> (311 degrees) to <i>licR</i> (334 degrees)," <i>Microbiology</i> 143:3313 (1997).
		RASTOGI, et al., "Cloning of tomato ( <i>Lycopersicon esculentum</i> Mill.) arginine decarboxylase gene and its expression during fruit ripening," <i>Plant Physiol.</i> 103:829 (1993).
		REDENBACH, et al., "A set of ordered cosmids and a detailed genetic and physical map for the 8 Mb <i>Streptomyces coelicolor</i> A3(2) chromosome," <i>Mol. Microbiol.</i> 21:77 (1998).
		RETTZER, "Ammonia Assimilation and the Biosynthesis of Glutamine, Glutamate, Aspartate, Asparagine, L-Alanine, and D-Alanine," in <i>Escherichia coli and Salmonella</i> , (Neidhardt, ed.), pp. 391-407, ASM Press: Washington, D.C., 1996.

Examiner's Signature	Date Considered
<i>C. Patterson</i>	9/23/05

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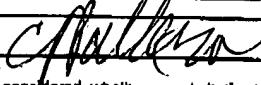
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Complete if Known

Application Number	10/773,916
Filing Date	February 6, 2004
First Named Inventor	Gjalt W. Huisman
Group Art Unit	1652
Examiner Name	Charles L. Patterson, Jr.
Attorney Docket Number	MBX 017 CON (2)

## OTHER ART - NON PATENT LITERATURE DOCUMENTS

Examiner's Initials*	Cite No.*	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
		SAITO & DOI, "Microbial synthesis and properties of poly(3-hydroxybutyrate-co-4-hydroxybutyrate). In <i>Candida</i> acidovorans," <i>Int. J. Biol. Macromol.</i> 16:18 (1994).
		SAITO, et al., "Microbial Synthesis and properties of Poly(3-hydroxybutyrate-co-4-hydroxybutyrate)," <i>Polymer Int.</i> 39:169 (1996).
		SAKAKIBARA, et al., "Isolation and characterization of a cDNA that encodes malate glutamate dehydrogenase," <i>Plant Cell Physiol.</i> 36:789-797 (1995).
		SAVIOZ, et al., "Comparison of proC and other housekeeping genes of <i>Pseudomonas aeruginosa</i> with their counterparts in <i>Escherichia coli</i> ," <i>Gene</i> 86:107 (1990).
		SCHAAP, et al., "The Agaricus bisporus pruA gene encodes a cytosolic delta 1-pyrroline-5-carboxylate dehydrogenase which is expressed in fruit bodies but not in gill tissue," <i>Appl. Environ. Microbiol.</i> 53:57 (1987).
		SCHERF, et al., "Purification and properties of 4-hydroxybutyrate coenzyme A transferase from <i>Clostridium</i> aminobutyricum," <i>Appl. Environ. Microbiol.</i> 57:2699-2701 (1991).
		SCHERF, et al., "Succinate-ethanol fermentation in <i>Clostridium kluveri</i> : purification and characterisation of 4-hydroxybutyryl-CoA dehydratase/vinylacetyl-CoA delta 3-delta 2-isomerase," <i>Arch. Microbiol.</i> 161:239-245 (1994).
		SCHLEYER, et al., "Transient, specific and extremely rapid release of osmolytes from growing cells of <i>Escherichia coli</i> K-12 exposed to hypoosmotic shock," <i>Arch. Microbiol.</i> 160:424 (1993).
		SHAIBE, et al., "Control of Utilization of L-Arginine, L-Ornithine, Agmatine, and Putrescine as Nitrogen Sources in <i>Escherichia coli</i> K-12," <i>J. Bacteriol.</i> 163:938 (1985).
		SMITH, et al., "Complete genome sequence of <i>Methanobacterium thermoautotrophicum</i> deltaH: functional analysis and comparative genomics," <i>J. Bacteriol.</i> 179:7135 (1997).

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT  (use as many sheets as necessary)		Complete If Known	
		Application Number	10773,916
Sheet	12	of	14
			Attorney Docket Number
			MBX 017 CON (2)

## OTHER ART - NON PATENT LITERATURE DOCUMENTS

Examiner's Initials <sup>1</sup>	Cite No. <sup>2</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	<sup>3</sup>
<i>Ch</i>		<del>SNEDECOR, et al., "Selection, expression, and nucleotide sequencing of the glutamate dehydrogenase genes of <i>Peptostreptococcus asaccharolyticus</i>," <i>J. Bacteriol.</i> 173:6162-6167 (1991).</del>	
<i>Ch</i>		<del>SÖHLING &amp; GOTTSCHALK, "Molecular analysis of the anaerobic succinate degradation pathway in <i>Clostridium kluyveri</i>," <i>J. Bacteriol.</i> 178:871-880 (1996).</del>	
<i>Ch</i>		<del>SÖHLING &amp; GOTTSCHALK, "Purification and characterization of a coenzyme-A-dependent succinate-semialdehyde dehydrogenase from <i>Clostridium kluyveri</i>," <i>Eur. J. Biochem.</i> 212: 121-127 (1993).</del>	
		<del>SOKHANSANDZH, et al., "Transfer of bacterial genes for proline synthesis in plants and their expression by various plant promoters," <i>Genetika</i> 33:905 (1997).</del>	
		<del>STEINBUCHEL and VALENTIN, "Diversity of bacterial polyhydroxyalkanoic acids," <i>FEMS Microbiol. Lett.</i> 128:219-28 (1995).</del>	
		<del>STEINBUCHEL and WIESE, et al., "A <i>Pseudomonas</i> strain accumulating polyesters of 3-hydroxybutyric acid and medium-chain-length 3-hydroxyalkanoic acids," <i>Appl. Microbiol. Biotechnol.</i> 37:891-97 (1992).</del>	
		<del>STIM &amp; BENNETT, "Nucleotide sequence of the <i>adi</i> gene, which encodes the biodegradative acid-induced arginine decarboxylase of <i>Escherichia coli</i>," <i>J. Bacteriol.</i> 175:1221 (1993).</del>	
		<del>STRAUB, et al., "Isolation, DNA sequence analysis, and mutagenesis of a proline dehydrogenase gene (<i>putA</i>) from <i>Bradyrhizobium japonicum</i>," <i>Appl. Environ. Microbiol.</i> 62:221 (1996).</del>	
		<del>SVAB, et al., "Stable transformation of plastids in higher plants," <i>Proc. Natl. Acad. Sci. USA</i> 87: 8526-8530 (1990).</del>	
		<del>SYNTICHIKI, et al., "The amino-acid sequence similarity of plant glutamate dehydrogenase to the extremophilic archaeal enzyme conforms to its stress-related function," <i>Gene</i> 168: 87-92 (1996).</del>	

Examiner's Signature	<i>C. Patterson</i>	Date Considered	<i>9/23/05</i>
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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (use as many sheets as necessary)		Application Number	10/773,918
Sheet	13	of	14
		Attorney Docket Number	MBX 017 CON (2)

OTHER ART - NON PATENT LITERATURE DOCUMENTS		
Examiner's Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
<i>CH/105</i>		<del>SZUMANSKI &amp; BOYLE, "Analysis and sequence of the speB gene encoding arginase ureohydrolase, a putrescine biosynthetic enzyme in Escherichia coli," J. Bacteriol. 172:538, (1990).</del>
<i>CH/105</i>		<del>TELLER, et al., "The glutamate dehydrogenase gene of Clostridium symbiosum. Cloning by polymerase chain reaction, sequence analysis and over-expression in Escherichia coli," Eur. J. Biochem. 208:151-159 (1992).</del>
<i>CH/105</i>		<del>THAKUR, et al., "Changes in the Electroencephalographic and <math>\gamma</math>-Aminobutyric Acid Transaminase and Succinic Semialdehyde Dehydrogenase in the Attagen Induced Rat Brain," Biochem. Int. 16:235-243 (1998).</del>
<i>CH/105</i>		<del>TOMB, et al., "The complete genome sequence of the gastric pathogen Helicobacter pylori," Nature 388:539 (1997).</del>
<i>CH/105</i>		<del>TZIMAGIORGIS, et al., "Molecular cloning, structure and expression analysis of a full-length mouse brain glutamate dehydrogenase cDNA," Biochem. Biophys. Acta 1089: 250-255 (1991).</del>
<i>CH/105</i>		<del>TZIMAGIORGIS, et al., "Structure and expression analysis of a member of the human glutamate dehydrogenase (GLUD) gene family mapped to chromosome 10p11.2," Hum. Genet. 91:433-438 (1993).</del>
<i>CH/105</i>		<del>VALENTIN, et al., "Identification of 4-hydroxyhexanoic acid as a new constituent of biosynthetic polyhydroxyalkanoic acids from bacteria," Appl. Microbiol. Biotechnol. 40:710-16 (1994).</del>
<i>CH/105</i>		<del>VALENTIN, et al., "Identification of 4-hydroxyvaleric acid as a constituent of biosynthetic polyhydroxyalkanoic acids from bacteria," Appl. Microbiol. Biotechnol. 36:507-14 (1992).</del>
<i>CH/105</i>		<del>VALENTIN, et al., "Identification of 5-hydroxyhexanoic acid, 4-hydroxyheptanoic acid and 4-hydroxyoctanoic acid as new constituents of bacterial polyhydroxyalkanoic acids," Appl. Microbiol. Biotechnol. 46:261-67 (1996).</del>
<i>CH/105</i>		<del>VALENTIN, et al., "Production of poly(3-hydroxybutyrate-co-4-hydroxybutyrate) in recombinant Escherichia coli grown on glucose," J. Biotechnol. 68: 33-38 (1997).</del>

Examiner's Signature	<i>CH/105</i>	Date Considered	<i>9/23/05</i>
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Sheet 14 of 14 Attorney Docket Number MBX 017 CON (2)

## Complete If Known

Application Number	10/773,816
Filing Date	February 6, 2004
First Named Inventor	Gjalt W. Huisman
Group Art Unit	1652
Examiner Name	Charles L. Patterson, Jr.
Attorney Docket Number	MBX 017 CON (2)

## OTHER ART - NON PATENT LITERATURE DOCUMENTS

Examiner's Initials*	Cits No.*	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>
✓ JL		VALLE, et al., "Complete nucleotide sequence of the glutamate dehydrogenase gene from Escherichia coli K-12," <i>Gene</i> 27:183-199 (1984).	
✓ JL		VALLE, et al., "Nucleotide sequence of the promoter and amino-terminal coding region of the glutamate dehydrogenase structural gene of Escherichia coli," <i>Gene</i> 23: 199-209 (1983).	
✓ JL		WANG, et al., "In vivo cloning of proline genes and its expression in Escherichia coli," <i>Chin. J. Biotechnol.</i> 6:27 (1990).	
		WATSON, et al., "Isolation and Characterization of a Second Arginine Decarboxylase cDNA from <i>Arabidopsis</i> (Accession No. AF009547)," <i>Plant Physiol.</i> 114:1569 (1997).	
		WILLADSEN & BUCKEL, "Assay of 4-hydroxybutyryl-CoA dehydratase from <i>Clostridium aminobutyricum</i> ," <i>FEMS Microbiol Lett.</i> 70:187-192 (1990).	
		WILLIAMS, et al., "Biodegradable plastics from plants," <i>CHEMTECH</i> 28:38-44 (1998).	
		WOLFF, et al., "Dehydrogenases involved in the conversion of succinate to 4-hydroxybutyrate by <i>Clostridium kluyveri</i> ," <i>Appl. Environ. Microbiol.</i> 59:1876-1882 (1993).	
		YEE, et al., "Isolation and characterization of a NADP-dependent glutamate dehydrogenase gene from the primitive eucaryote <i>Giardia lamblia</i> ," <i>J. Biol. Chem.</i> 267:7539-7544 (1992).	

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